



Science Toolkit: Grade 7 Objective 4.A.1.e

Student Handout: Science: Grade 7 Objective 4.A.1.e

Standard 4.0 Chemistry

Topic A. Structure of Matter

Indicator 1. Cite evidence to support the fact that all matter is made up of atoms, which are far too small to see directly through a microscope.

Objective e. Cite evidence to explain that all living and non-living things can be broken down into elements.

Selected Response (SR) Item

Question

When Chemical X is added to a certain liquid, the chemical breaks into Substances Y and Z. It is not possible to break Substances Y and Z into simpler particles.

Which statement is best supported by this evidence?

- A. Chemical X is an element.
- B. Chemical X is soluble in water.
- C. Substances Y and Z are elements.
- D. Substances Y and Z are compounds.

Correct Answer

- C. Substances Y and Z are elements.

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